

March 11, 2003

DOCKET CK-MOLD-1

*abstract***MOLD AND MICROBIAL REMEDIATION
USING DRY ICE BLASTING**

A method for cleaning noxious colonies of mold and other microbes out of buildings is disclosed, using "dry ice blasting". This method involves pumping a gas stream containing small particles of dry ice (solidified carbon dioxide, or CO₂) through a high-speed nozzle that can be directed at any surface that needs to be cleaned. This type of equipment previously has been used for cleaning charred surfaces and coating layers of soot and smoke off of wooden and other surfaces, in a building that has suffered a fire, but it has not previously been used for mold remediation. It is highly effective for cleaning uneven surfaces, such as the surfaces of unfinished lumber, using a controllable a combination of pressure, velocity, and flow rates that can effectively soften, abrade, and blow away any surface layers that do not have the hardness of normal wood.